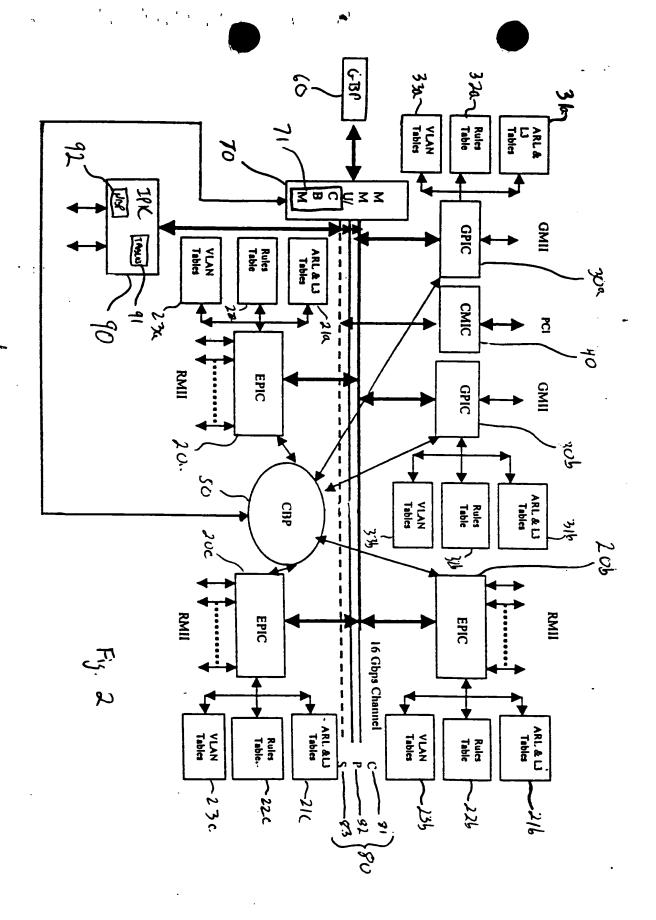


DOSETOP DELTOO



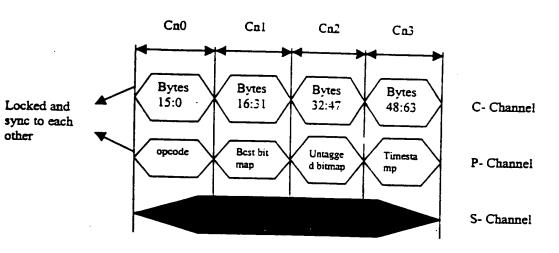
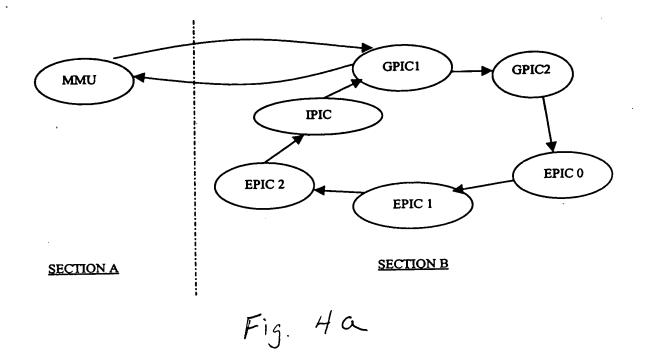
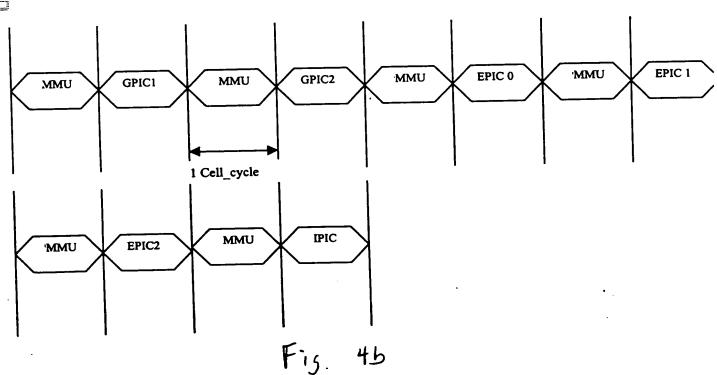


Fig. 3





Protocol Channel Messages

20	28	26	24	22	20	18	16	14	12	, 7	10	8	6	4	1 2	0
30	Zō Ip	Rese	Nxt		Dest :		Cos		S	E		P	o i		Len	
Opc ode	IPX	rved	cell	Sic	Dest.	Port	Co	S J	3		_	*	~		LUI	
		L	CCI	<u> </u>		•	<u> </u>				С		I			
		T				T	40	1.6			40	10	38	0 26	34	32
62	60	58	56	54	52	50	48	46	44	1	42	40	1 3	8 36	34_	1 32
						Mo	dule 1	d Bitt	nap							
											Υ			·		
30	28	26	24	22	20	18	16	14	12		10	8	6	4	2	0
R						B	c/Mc	Portbi	tma	<u> </u>						
																
62	60	58	56	54	52	50	48	46	44		42	40	38		34	32
PF			N	ew IP	hecks	um			M	N	MT-M	bIbo	T	TGID	Mo	_
M_	<u> </u>								$ldsymbol{ld}}}}}}}}}$						opco	de
				_			,									
30	28	26	24	22	20	18	16	14	12		10	8	6	4	2	0
U		_		Untag	gged F	ortbit	map /	Src P	ort l	Vш	mber	(bit()5)			
														-		
62	60	58	56	54	52	50	48	46	44		42	40	38		34	32
Rs	svd	Mat	ched			Vla	n Id				S	rc P	ort	Re	mote]	Port
l		Fil	lter	<u> </u>												
L							-									
30	28	26	24	22	20	18	16	14	12	Т	10	8	6	4	2	0
	1 = =			U Opc	<u> </u>							Ti	meS	tamp		
62	60	58	56	54	52	50	48	46	44		42	40	3	8 36	34	32
R	1 00	1 50	1	<u> </u>				rt Bit	map							
للتيا																

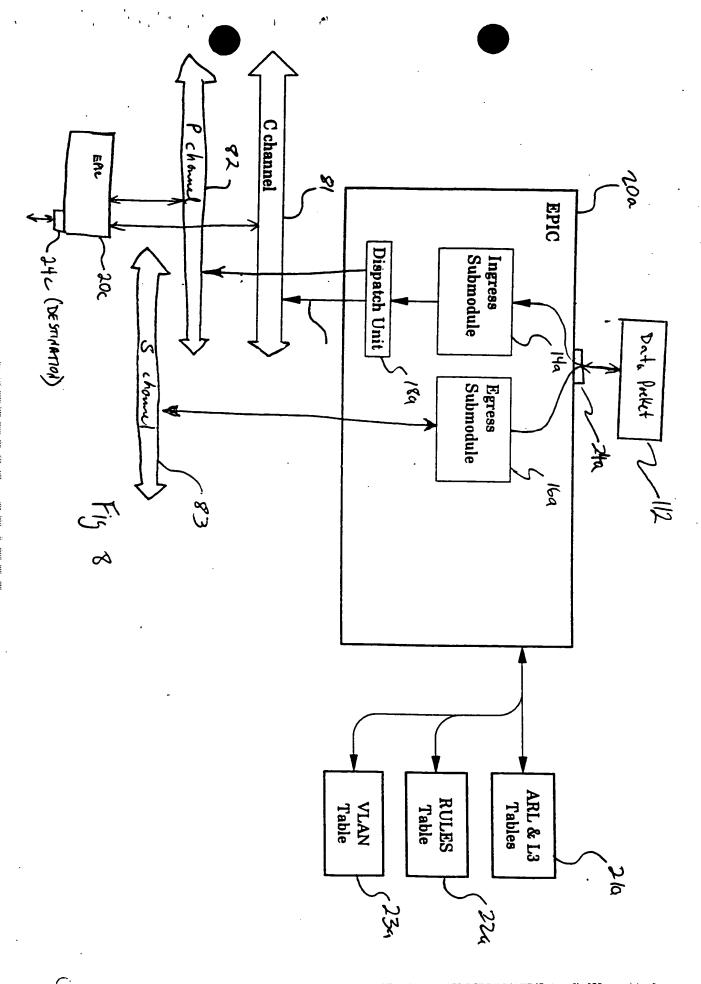
F15. 5

Side Band Channel Messages

30 28 26	24 22 20	18 16 14	12 10	8 6	4	2 0	
Opcode	Dest Port / Destination Dev Id	Src Port	DataL	en E	EC ode	Cos	С
		<u> </u>			<u> </u>		
		Data					
							Į

Loyer Seven-Application Loyer Six Presentation Layer five -Session Loyer four-Transport Layer three-Network Layer two-Duta link Layer onc-Physical

Figure 7 Prox Art



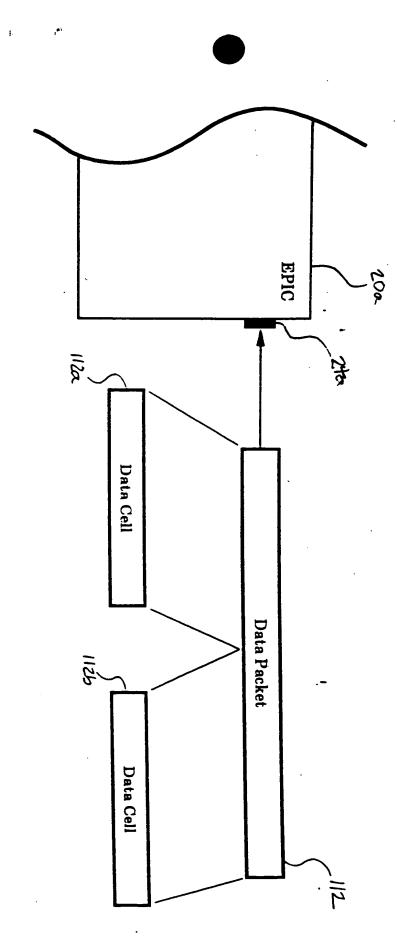
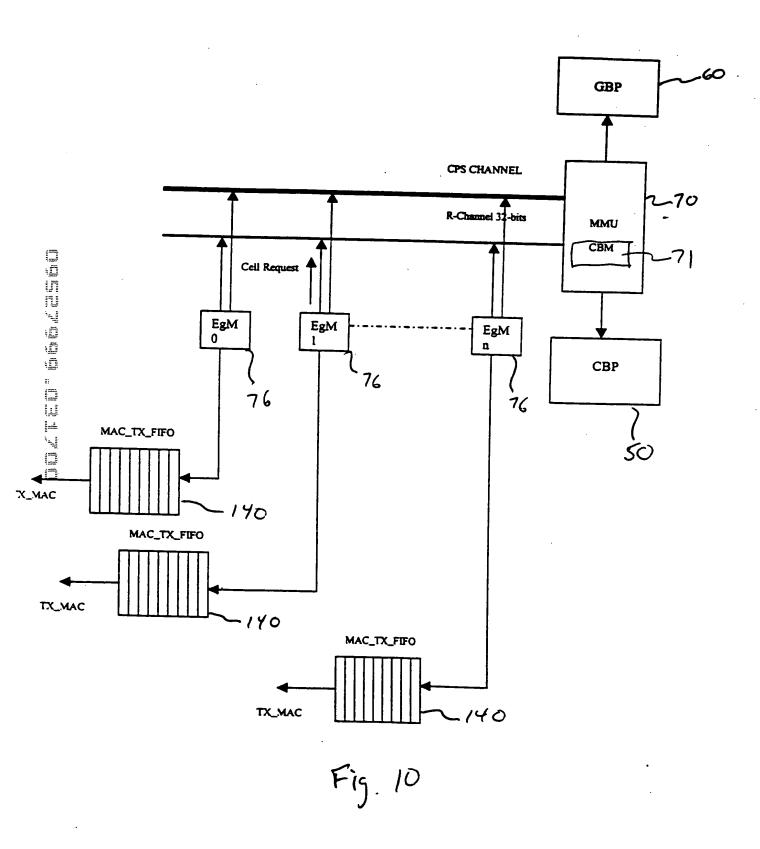


Fig. /



Line 0	FC LC BC/MC Cpy_cnt(5b) Cell_length (7b) CRC (2b) NC_header (16b) Src Count(6) IPX IP Time_Stamp (14b) O bits(2b) P NextCellLen(2b) CpuOpcode(4b) Cell_data (0-9B)
Line l—	Cell_data (10-27) Bytes
Line 2	Cell_data (28-45) Bytes
	Cell_data (46-63) Bytes

Fig. 12

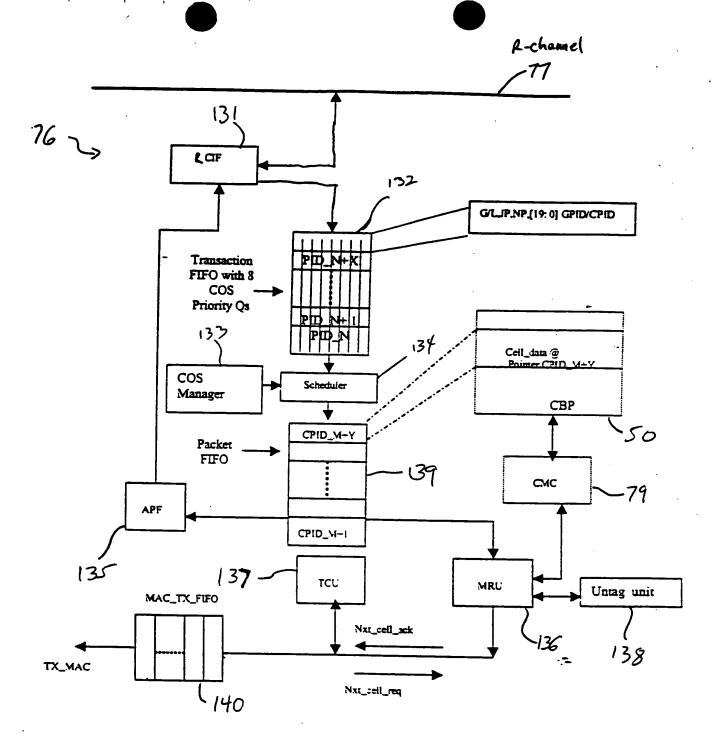
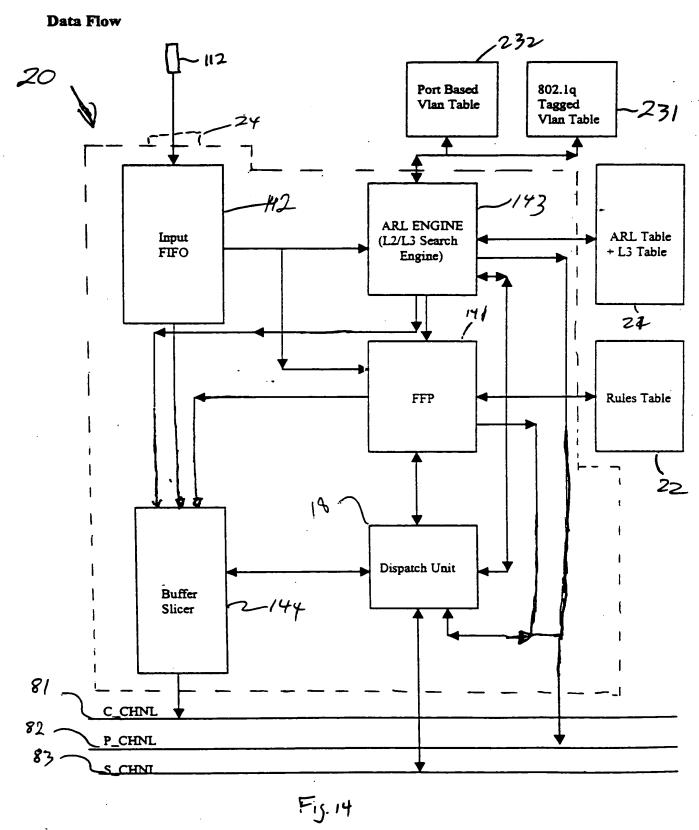
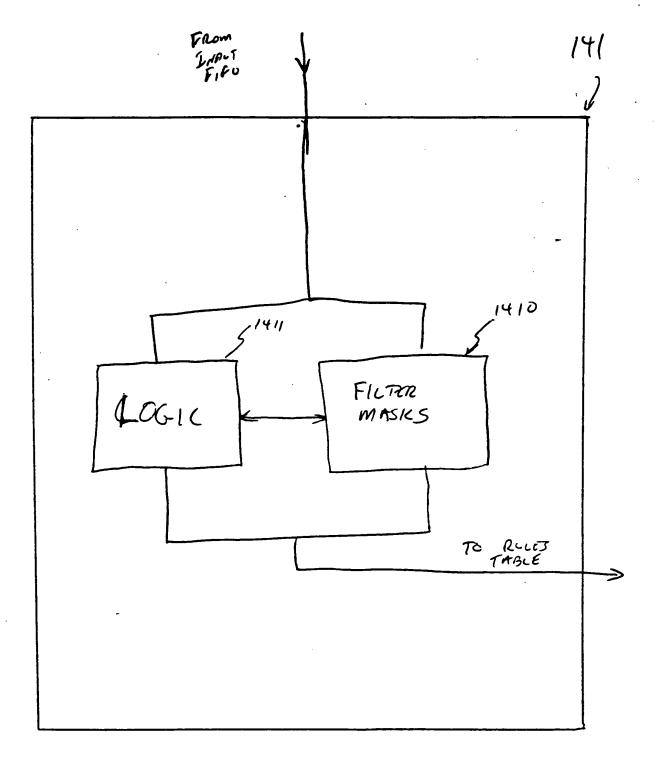


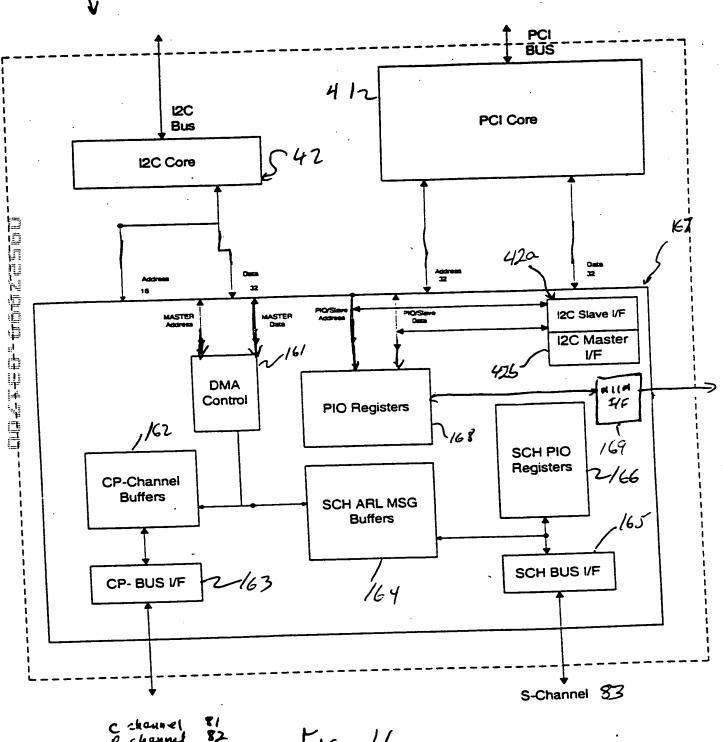
Fig 13





F16. 15

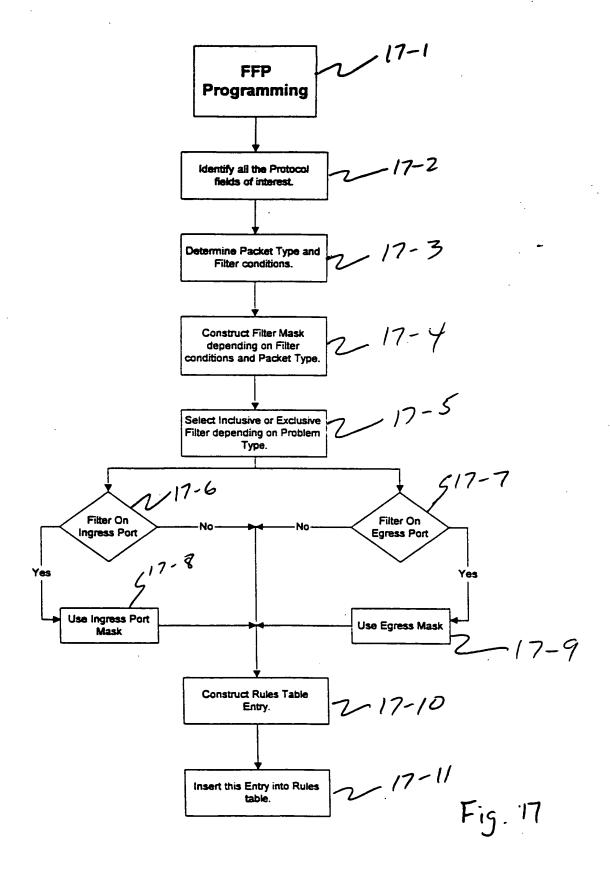
407



F19. 16

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FFP Programming Flow Chart



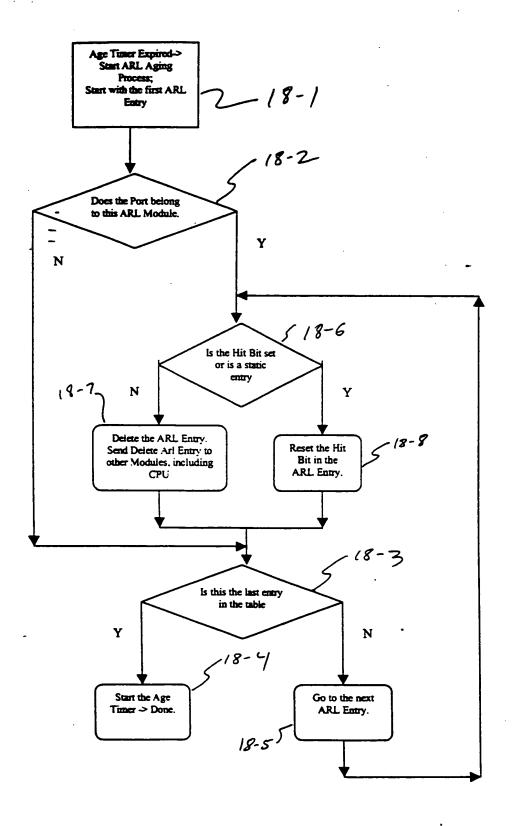


Fig. 18

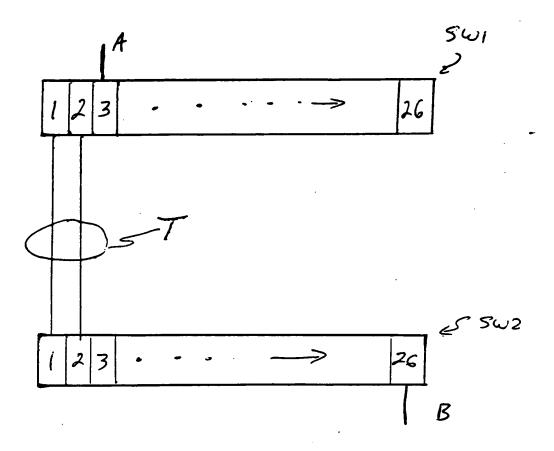


Fig. 19

Field	Header	Size	Offset For	Offset For	Offset For	Offset For
			Ethernet II Untagged	Ethernet II Tagged	SNAP Untagged	SNAP Tagged
Destination Mac Address	Mac	6 Bytes	0	0	0	0
Source Mac Address	Mac	6 Bytes	6	6	6	6
Protocol Type	Mac	2 Bytes	12	16	20	24
Destination SAP	802.3	1 Byte	NA	NA	14	18
Source SAP	802.3	1 Byte	NA	NA	15	19
802.1p Priority	Mac	3 bits	NA	14	NA	14
VLAN Id	Mac	12 bits	NA	14+ 4b	NA	14+4b
TOS Precedence	IP	3 bits	15	19	23	27
Differentiated Services	IP	6 bits	15	19	23	27
Source IP Address	IP	4 Bytes	26	30	34	38
Destination IP Address	IP	4 Bytes	30	34	38	42
Protocol Protocol	IP	1 Byte	23	27	31	35
Source Port	TCP/ UDP	2 Bytes	34	38	42	46
Destination Port	TCP/ UDP	2 Bytes	36	40	44	48
TCP Control Flags (For aligning on Byte boundary 2 bits of reserved bits preceding this field is included)	TCP	1 Byte	47	51	55	59
Data at Offset 1	NA	8 Bytes	Data	Data	Data	Data
Data at Office 1	- ''-		Offset1	Offset1	Offset1	Offset1
			From	From	From	From
			start of	start of	start of	start of
	1	1	IP / IPX	IP / IPX	IP / IPX	IP / IPX
			Header	Header	Header	<u>Header</u>
Data at Offset 2	NA	8 Bytes	Data	Data	Data	Data
Dum in Ollow 2	ì		Offset2	Offset2	Offset2	Offset2
			From	From	From	From
			start of	start of	start of	start of
			IP/IPX	IP /IPX	IP / IPX	IP / IPX
			Header	Header	Header	Header
Data at Offset 3	NA	8 Bytes	Data	Data	Data	Data
			Offset3	Offset3	Offset3	Offset3
			From	From	From	From
			start of	start of	start of	start of
			IP / IPX	IP/IPX	IP/IPX	IP / IPX
			Header	Header	Header	Header
Data at Offset 4	NA	8 Bytes	Data	Data	Data	Data
			Offset4	Offset4	Offset4	Offset4
			From	From	From	From
	1		start of	start of	start of	start of
			IP /IPX	IP / IPX	IP / IPX	IP/IPX
	1		Header	Header	Header	Header

FIGURE 20

Fy 21a F

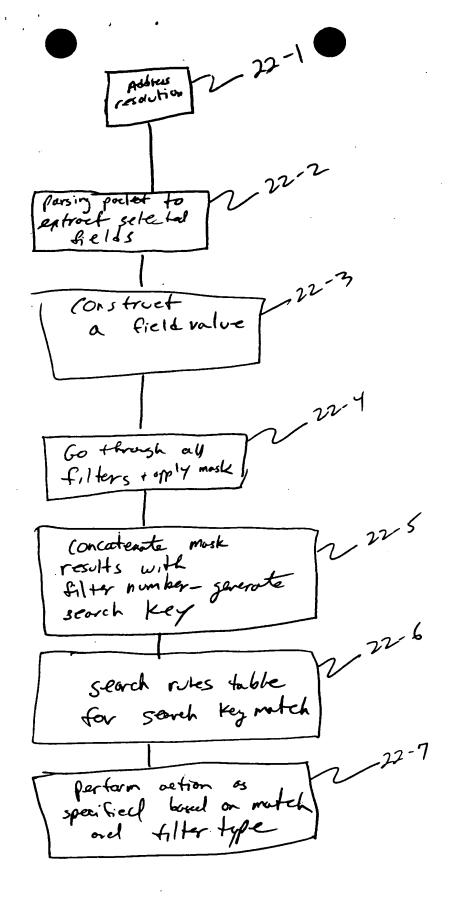
Filter Mask Format:

Filter Enable (1b)	Counter (5b)	Rem Port (1b)	Output Mod (5b)	Output Port (6b)	TOS I			f Serv 6b)	802	2.1 p Prior (3b)
NMA Enb (1b)	No Match Action (10b)	~~~~	Data Offset 3 (7b)	Data Offset 2 (7b)	Data Offset 1 (7b)	Po Ma	ress ort ask b)	Egree Mod Mas (5b)	ld k	Egress Port Mask (6b)
				Field Ma	sk					

Field Mask Format:

Dest	Src	Prot	Dest	Src	802.1	Vlan	TOS	Diff	Src	Dest	Prot	Src	Dest	
Mac	Mac	type	SAP	SAP	p	Id	Prec	Serv	IP	IP	IP-	Port	Port	
addr	addr	(2 B)	(1 B)	(1 B)	Prio	(12b	(3b)	(6b)	addr	addr	(1B)	(2B)	(2B)	
(6 B)	(6 B)	(2 D)	(1.2)	()	(3 b)	<u> </u>	<u> </u>		(4B)	(4B)				1

TCP Cntr Flags	Data 1	Data 2	Data 3	Data 4
(1B)	(8B)	(8 B)	(8B)	(8B)
ו וענו ו	(02)			



122

Count er (5b)	Output Mod (5b)	Output Port (6b)	TOS_ P (3b)	Diff Services (6b)	802.1p Priority (3b)	Actio ns (11b)	Filter Select (3b)	Ingres s Port (6b)	Egrs Mod (5b)	Egrs Port (6b)	Filter Value (512 b)
											
						-					
						L				t	

IJ.																
I	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
TJ.							Sou	ırce II	Add	ress						
J.							Mult	icast l	P Ad	dress						
	r L3 Port Bitmap															
							L3]	Modu	le Bit	map						
	Unused TTL Source Port												Port			
						** **						hresh	old	<u> </u>		

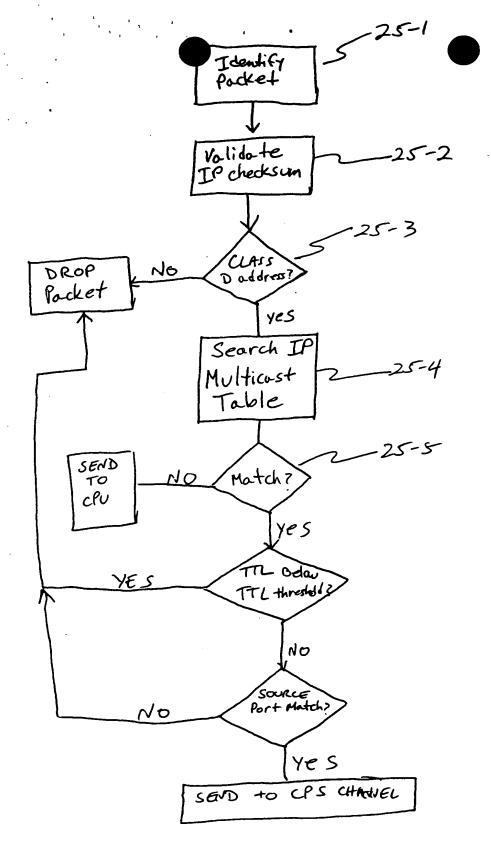
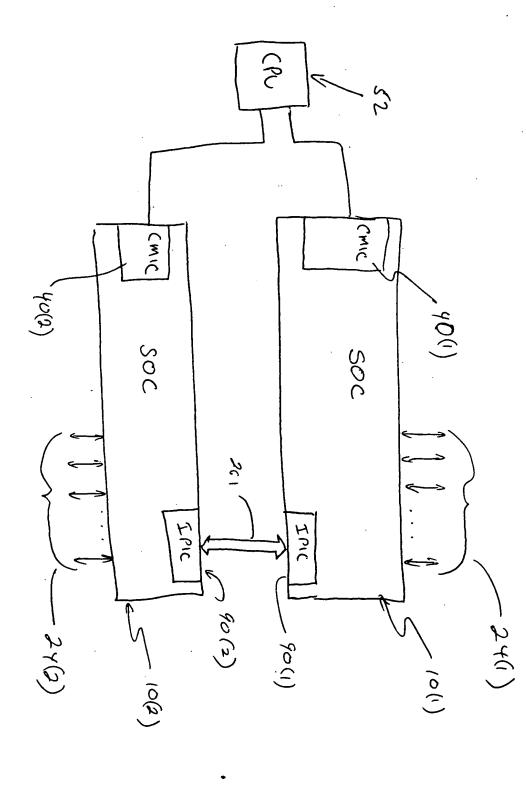
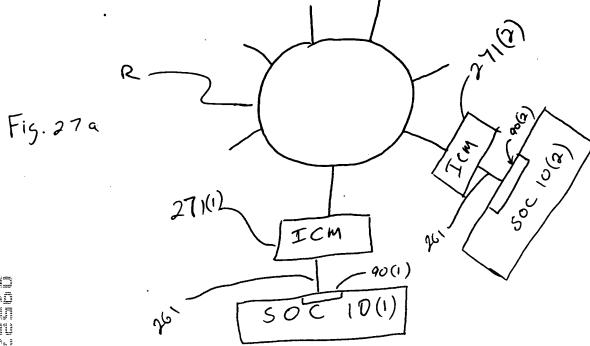
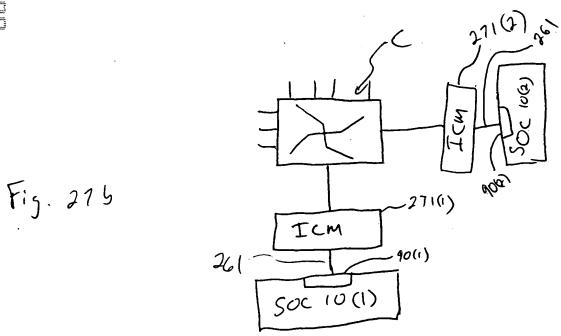


Fig. 25







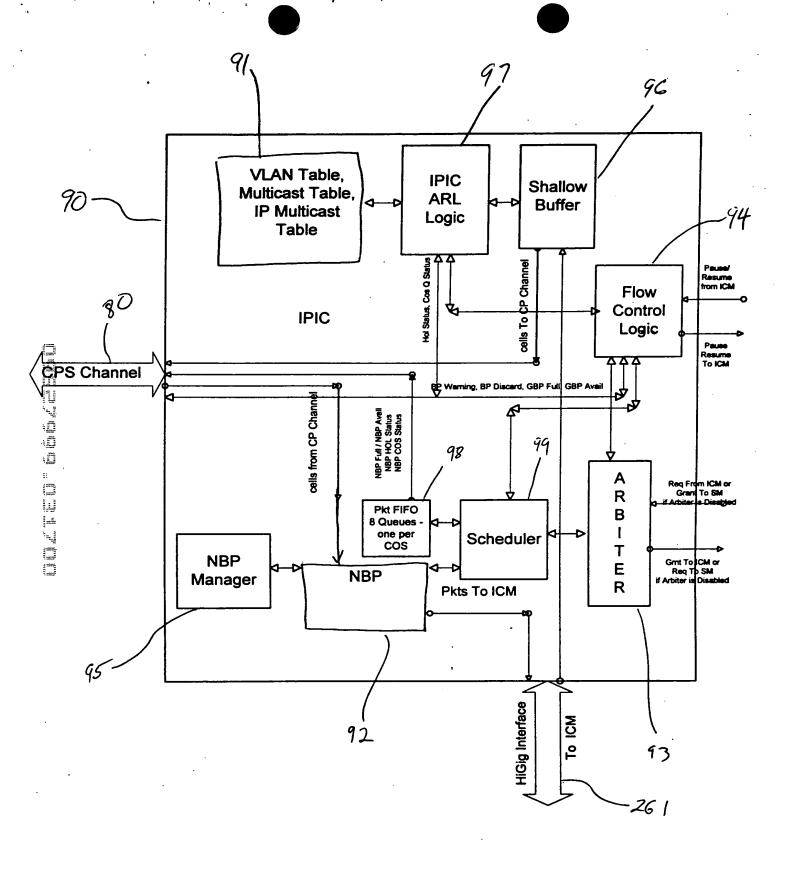
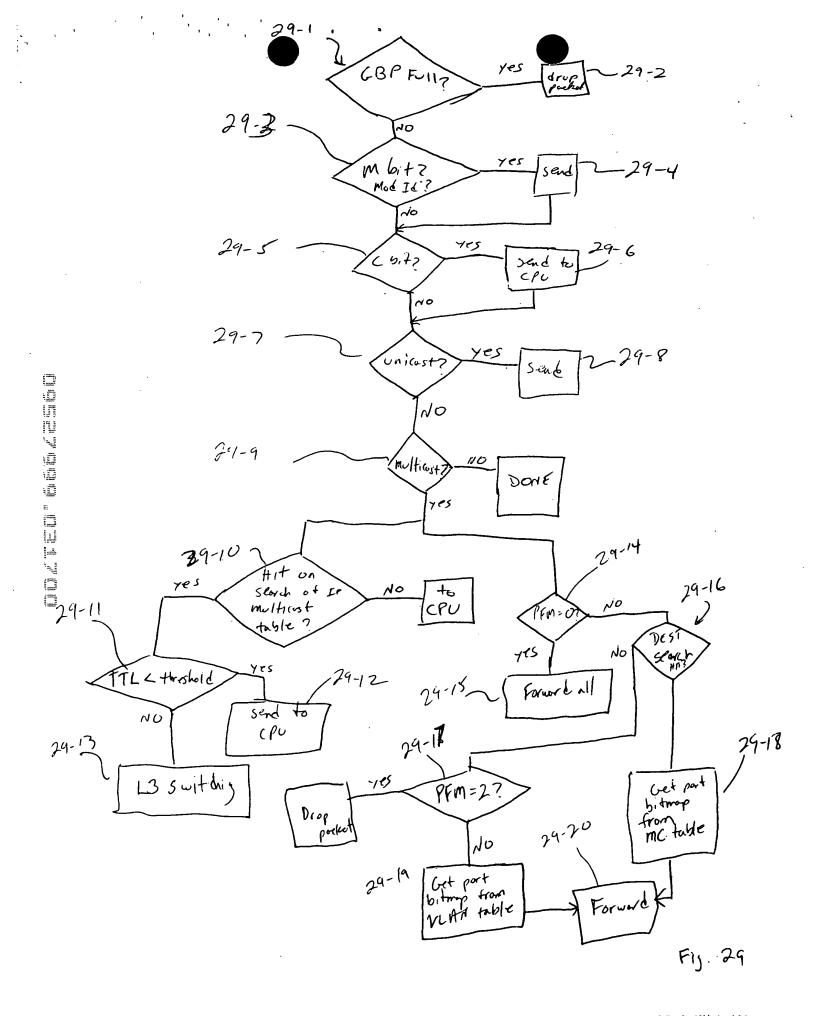


Fig 28.



n i a marinaria de la compación de compación de la compación de la compación de la compación de la compación de

	COS	С	NCA	802.1p	Rate	Rate	Rate	New	New	New
Q	ucue	P	(2b)	Priority	Counter	Counter	Discard	Code	COS	802.1
((3b)	F		(3b)	(8b)	Threshold	Thresho	Point	Queue	Priority
						(8b)	ld (8b)	(6b)	(3b)	(3b)

FIGURE 30

Offset Field	Offset 1	Offset 2	Offset 3	Offset 4
000	0-15	16-31	32-47	48-63
001	8-23	24-39	40-55	56-71
010	16-31	32-47	48-63	64-79
011	24-39	40-55	56-71	72-87
100	32-47	48-63	64-79	80-95
101	40-55	56-71	72-87	88-103
110	48-63	64-79	80-95	96-111
111	56-71	72-87	88-103	104-119

Figure 31

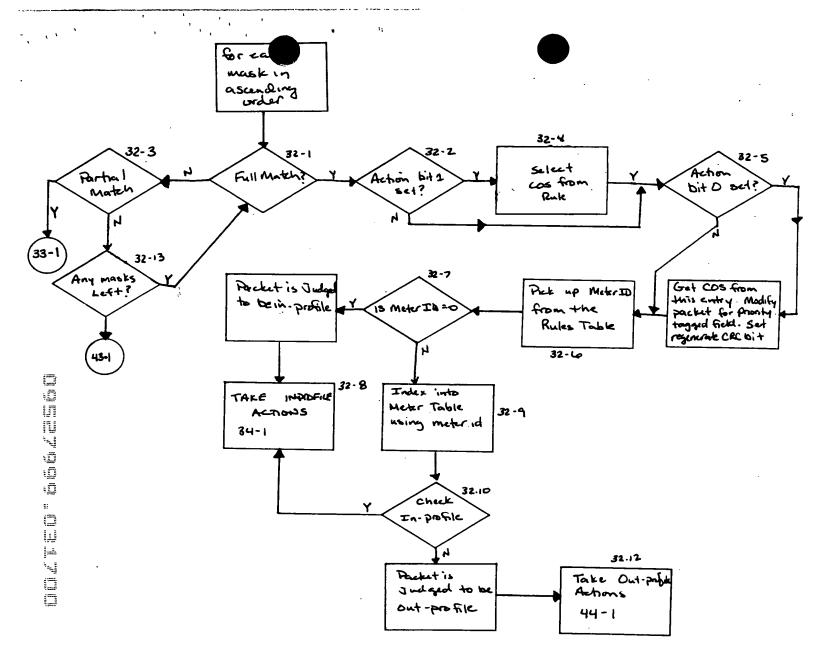
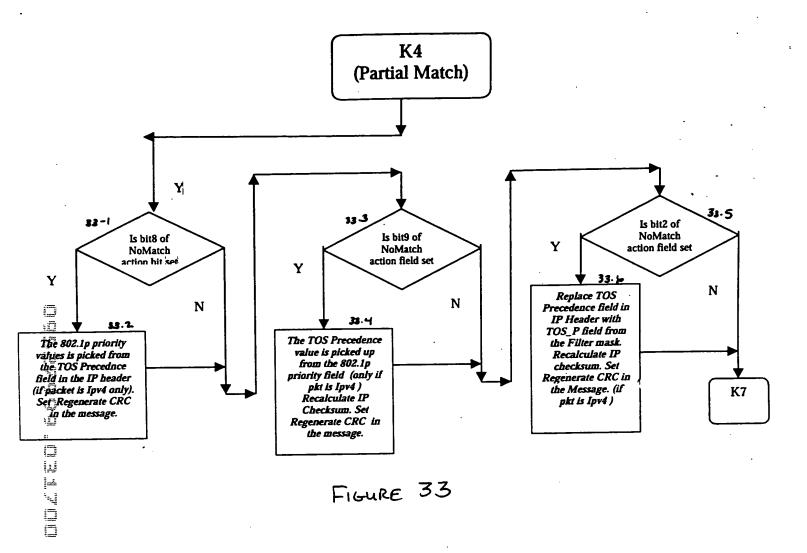
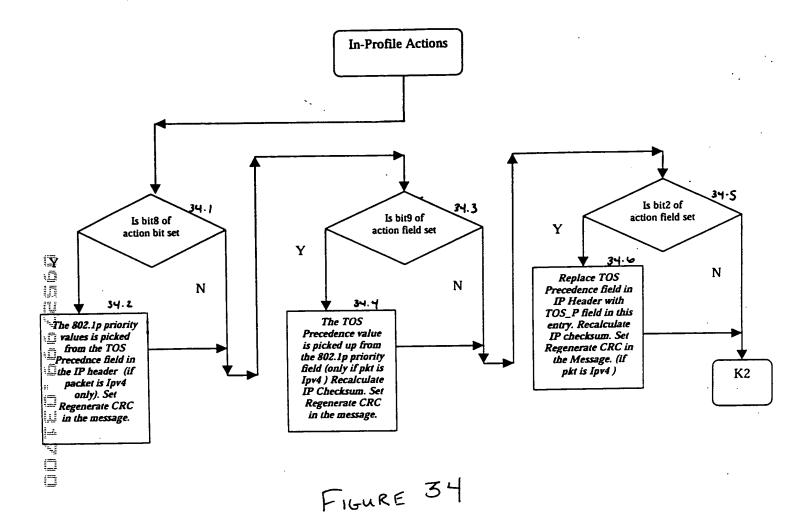
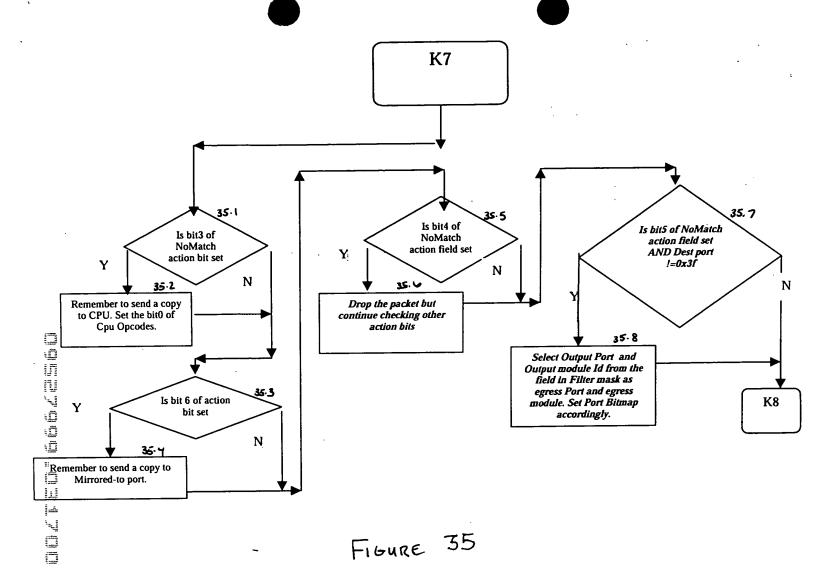


FIGURE 32

43.







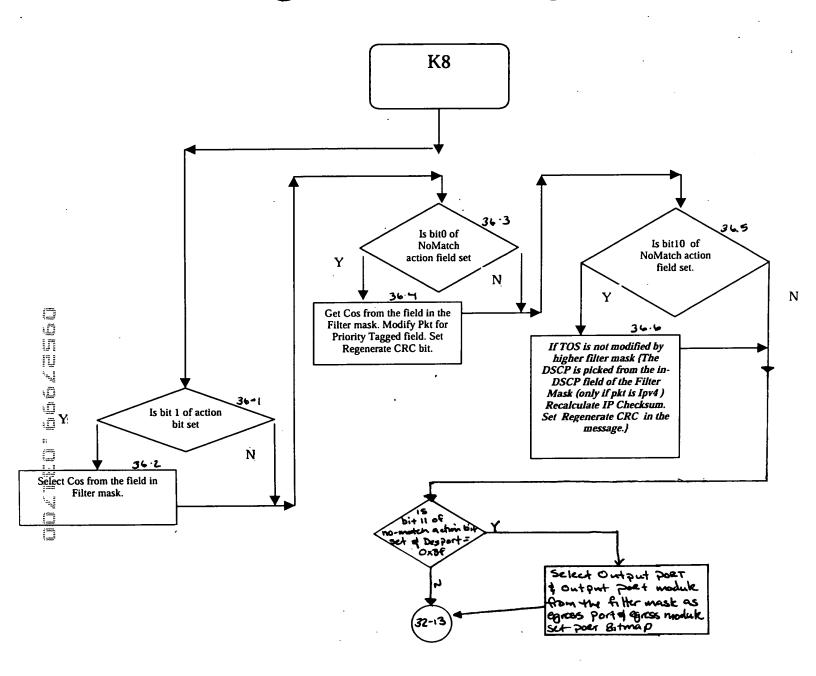
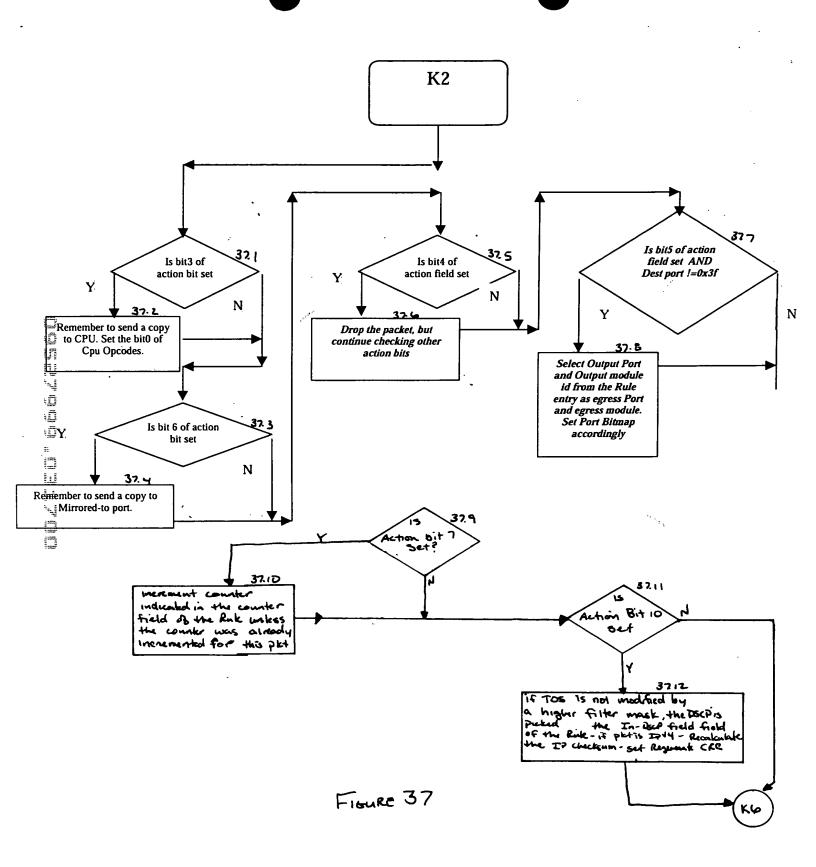
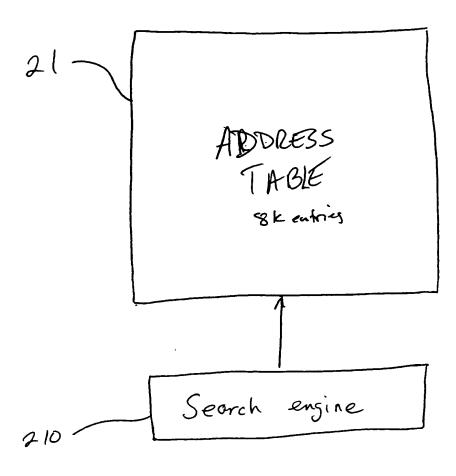


FIGURE 36

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Fis 38

212 . 211 ADDRESS ADDRESS TABLE TABLE 1 k entres Akentos Search Search Engine Engine 214 213

Fig. 39

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Figure 4	Oo				9	.((212	
			<u></u>		/	/	_		1
i	address	entry	1	address	entry		address	entry	₹
	31	ΔF		30	entry AE AC AA Y	,	31	AF	1
21-		AE	1	30 28 26	AC			AD	
71	29	AD	- 1	26	AA		27	AB	- 1
	30 29 28 27 26 25 24 23 22 21 20 19 18	AF AE AD AC AB AA Z Y X		24	Y		29 27 25 23 21 19	AD AB Z X V T R	ţ
	27	AB		24 22 20 18 16	W		23	X	1.
	26	AA	(20	U		21	Ϋ́	1
	25	Z	1	18	S		19		i
•	24	Y		16	ď		15		- /
	23	\sim		14	M		13	N	
	21	V	i	12 10	8 0 8 0 8 0 8 0		11	L	1
	20		1	8	t		9	J	1
	19	T	1	6	G		7	н	
	18	s		4	E		9 7 5 3	F	
	17	R	_	2	G E C A		3	D	- 1
	16	UFSRQPOZ	(0	A		11	В	
	15		1						١
	14	N	(1
	12	М	`						
	13 12 11	L					1		
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	8 7	.1					, ,	21	
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	5	F				J	•		
	4	Ë							
	3	D							
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	1 1	В							
	0	Α							

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31 30 29 28	NN MM LL KK JJ GH CF CC BE
2 30	KK LL MM
2 29	ΙL
28	KK
	1004
28 27 26 25	IJ
26	GH
25	CF
24 23 22	CC
23	BE
22	BD
21	BC
20	BA
] 19	AC
21 20 19 18 17 16 15 14 13 12	AB
17	AA
Ų 16	Y
<u> </u>	X
<u> </u>	V
<u> </u>	T
⊌ 12	S
14 13 12 11 10	R
= 10	Q
9	N
10 9 8 7 6 5	M
	L
= 6	N.
= 3	2
1 4	
3	ר ב
2	0
9 8 7 6 5 · 4 3 2	BD BC BA AA Y X Y T S R Q N M L K J G E D C B
L0	

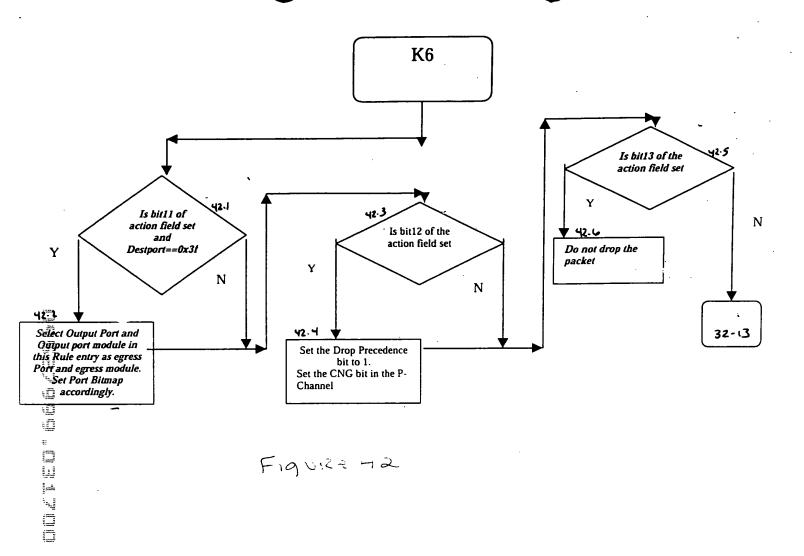
address entry

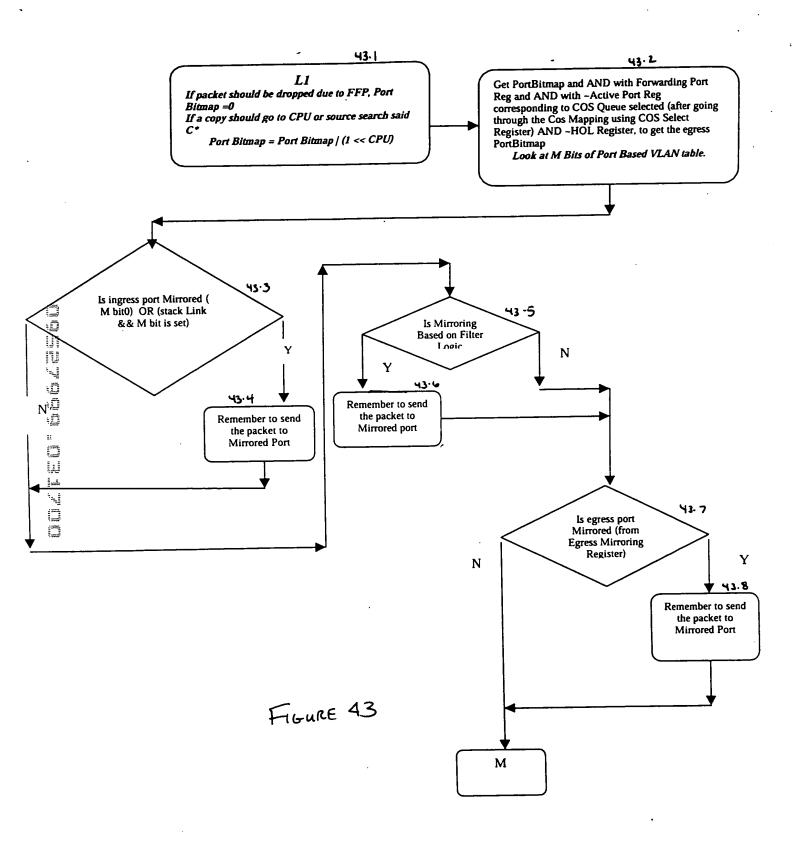
	1
address	entry
30	MM
28	KK
26	GH
24	GH CC BD
26 24 22 20	BD
20	BA AB
18	AB
16	Y
14	Y
12	S
10	
8	M
14 12 10 8 6 4 2	YVSQMKGDB
4	l G
2	미
0	В

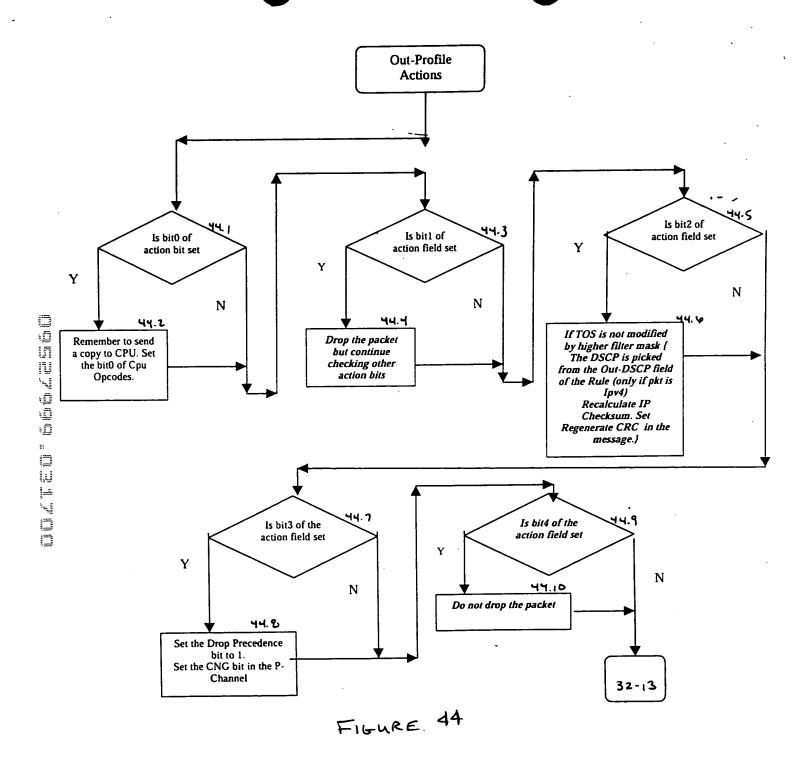
address	entry
31	NN
29	LL JJ CF
27	JJ
25	CF
29 27 25 23 21	BE
21	BC
19	AC
17	AA
15	×
13	T
11	R
9	N
9 7 5 3	BCAXTRZLJEC
5	J
3	E
1 4.	ו כו

Fig 414

والمرجعة







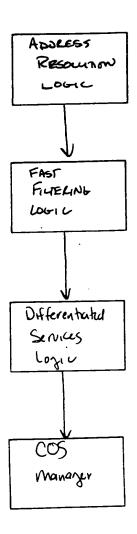


FIGURE 45

...

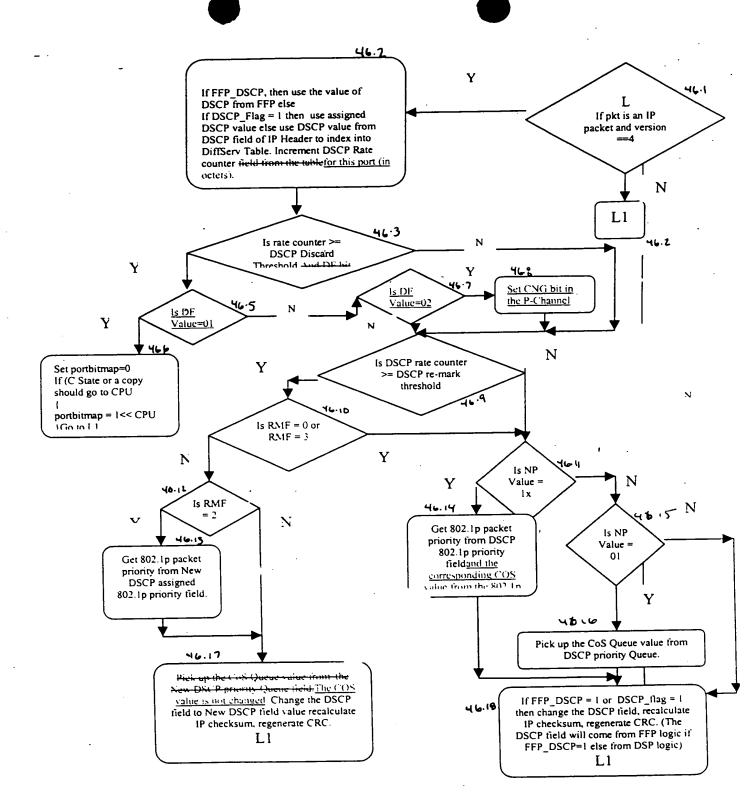


FIGURE 46

